FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M108621	Client:	Alaskan Copper Works
Date Received:	08/25/06	Project:	PO# M108621, F&BI 608272
Date Extracted:	08/29/06	Lab ID:	608272-01 10x
Date Analyzed:	08/29/06	Data File:	608272-01 10x.053
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	74	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	631 J
Nickel	1,920
Copper	1,350
Zinc	369

J - The continuing calibration verification associated with the analyte is out of control limits. The reported concentration is an estimate.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M108621, F&BI 608272
Date Extracted:	08/29/06	Lab ID:	I6-368 mb
Date Analyzed:	08/29/06	Data File:	I6-368 mb.045
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	66	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1 J
Nickel	<1
Copper	<1
Zinc	<1

J - The continuing calibration verification associated with the analyte is out of control limits. The reported concentration is an estimate.

Date of Report: 09/06/06
Date Received: 08/25/06
Project: Metro Self Monitor, PO# M108621, F&BI 608272

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR METALS BY EPA METHOD 200.8

Laboratory Code: 608295-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	22.0 J	22.7 J	3	0-20
Nickel	ug/L (ppb)	14.7	14.0	5	0-20
Copper	ug/L (ppb)	79.9	81.9	2	0-20
Zinc	ug/L (ppb)	53.3	55.4	4	0-20

Laboratory Code: 608295-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	22.0	136 bJ	50-150 b
Nickel	ug/L (ppb)	20	14.7	118 b	50-150
Copper	ug/L (ppb)	20	79.9	137 b	50-150
Zinc	ug/L (ppb)	50	53.3	94 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	109 J	70-130
Nickel	ug/L (ppb)	20	108	70-130
Copper	ug/L (ppb)	20	110	70-130
Zinc	ug/L (ppb)	50	102	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

J - The continuing calibration verification associated with the analyte is out of control limits. The reported concentration is an estimate.

608272

SAMPLE CHAIN OF CUSTODY

ME 08/25/06

AI 4

Send Report To Gerald Thompson

Company Alaskan Copper Works

Address 628 S. Hanford St

City, State, ZIP Seattle WA

Phone # 206-382-8379 Fax # 206-382-4853

SAMPLERS (signature)

PROJECT NAME/NO. Metro Secs Monitor

PO # M 10862l

REMARKS

Page # _____ of _____

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Acetone					Notes
M 10862l	01	8/25/06	10:00	H2O	1							✓					

Samples received at 24 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	G. Thompson	ACW	8/25/06	11:00
Received by:	Eric Nolan	FBI	8/25/06	11 00
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

September 6, 2006

DUPLICATE INVOICE

INVOICE # 06ACU0906-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M108621, F&BI 608272 - Results of testing requested by Gerry Thompson for material submitted on August 25, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ $80 per sample	$ 80.00
Amount Due	$ 80.00

FEDERAL TAX ID #(b) (6)

FRIEDMAN & BRUYA, INC.

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Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

September 6, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on August 25, 2006 from the Metro Self Monitor, PO# M108621, F&BI 608272 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
ACU0906R.DOC